

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) Process for controlling at least two groups of antennas (4, 6), comprising: according to which a sending a coded signal to a first group of antennas (4) and to a second group of antennas (6);

emitting the coded signal (26) is emitted by a from the first group of antennas (4) whilst the antennas of a second group of antennas (6) emit a residual signal (28) similar to the coded signal but of lesser amplitude, the coding used being such that the coded signal has dead time; and [[,]]

characterized in that sending a parasitic signal (34) is sent to the second group of antennas (6) during the dead time of the coded signal,

sent to the first group of antennas (4) wherein the residual signal is based on the coded signal and the parasitic signal.

2. (currently amended) Control process according to claim 1, ~~characterized in that the~~ wherein an amplitude of the parasitic signal corresponds substantially to ~~the~~ an amplitude of the residual signal.

3. (currently amended) Control process according to claim 2, ~~characterized in that~~ comprising the further step of using a gain control device (42) ~~limits the~~ to limit a power of the emitted parasitic signal.

4. (currently amended) Control process according to claim 1, ~~characterized in that~~ wherein the coded signal emitted by the first group of antennas (4) is an amplitude modulated coded signal.

5. (currently amended) Control process according to claim 1, ~~characterized in that the~~ further comprising the step of sending [[of]] the parasitic signal to the antennas of the second group of antennas (6) ~~is effected~~ by using an analogic multiplexer (10) which selects the second group of antennas (6) during the dead time of the coded signal ~~sent to the first group of antennas (4).~~

6. (currently amended) Control device, comprising:
means (10) to send alternatively a coded signal to several groups of antennas, the coding used being such that the coded signal has dead time, wherein,

~~characterized in that said means are provided to send~~
sends a parasitic signal to a second group of antennas (6) when a coded signal is sent to a first group of antennas (4), the

parasitic signal being sent to the antennas of the second group during the dead time of the coded signal ~~sent to the first group of antennas.~~

7. (currently amended) Control device according to claim 6, ~~characterized in that~~ wherein said means comprises an analogic multiplexer (10) that selects the group of antennas to which a signal is sent.

8. (currently amended) Control device according to claim 6, ~~characterized in that~~ wherein said means comprises a gain control device (42) that limits the power of the emitted parasitic signals.

9. (currently amended) Control device according to claim 6, ~~characterized in that it moreover comprises~~ wherein said means further comprises at least one linear amplifier (12) per group of antennas to amplify the coded signal before sending ~~[[it]]~~ the coded signal to the corresponding antennas.

10. (currently amended) System for hands-free access to a vehicle, comprising at least two groups of antennas (4, 6), an electronic identification card as well as control electronics, ~~characterized in that it moreover comprises a~~ and the control device according to claim 6.

11. (new) A system for hands-free access to a vehicle, comprising:

a first antenna (4);

a second antenna (6); and

a code transmitter configured to transmit radio frequency amplitude modulated coded signals of predetermined power to the first antenna and to the second antenna,

the code transmitter comprising a multiplexer (10) connected to input a coded signal (18) and having a coded signal output (22) for sending the coded signals to the first and second antennas, wherein,

a first coded signal is sent from the coded signal output to the first antenna, the first coded signal comprising dead time within amplitude modulated code signals, and

a second coded signal is sent from the coded signal output to the second antenna, the second coded signal comprising a residual signal of the first coded signal superimposed, during the dead time, with a parasitic signal such that the second coded signal is a combination of the residual signal and the parasitic signal, the parasitic signal appearing during the dead time of the first coded signal.

12. (new) The system of claim 11, wherein,

the multiplexer is an analogic multiplexer and further comprises a control signal input (20) for indicating to which of

the first and second antennas the coded signals are to be sent,
and

a control signal received at the control signal input
(20) determines when the residual signal is superimposed with the
parasitic signal.

13. (new) The system of claim 12, wherein,

a first control signal value causes the multiplexer to
direct the coded signal (26) leaving the coded signal output to
be directed toward the first antenna (4), and

a second control signal value causes the multiplexer to
direct the coded signal (38) leaving the coded signal output to
be directed toward the second antenna.

14. (new) The system of claim 13, further comprising a
badge (45) configured for communicating with the first antenna
and the second antenna.